

Amendments to the Claims

Please amend claims 1-3, 5-10, 12, 13, 17 and 18 as shown below.

Please add new claims 19- 38 as shown below.

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) An apparatus comprising:
 - a) a rendering engine for rendering images onto a medium;
 - b) an input port for receiving [[an]] binary image data; and
 - c) a print preview projection mechanism for converting the received binary image data into corresponding displayable image data and for projecting the displayable image data for viewing by a user.
2. (Currently amended) The apparatus of claim 1 wherein the print preview projection mechanism provides the user with a preview of [[the]] an image to be rendered defined by the image data prior to rendering of the image data; and wherein the print preview projection mechanism includes a display format mechanism for converting the received binary image data into the corresponding displayable image data.
3. (Currently amended) The apparatus of claim 1 wherein the print preview projection mechanism comprises ~~includes~~ a projection mechanism for projecting the displayable image data onto a two-dimensional surface; and wherein the projected preview image is a two-dimensional image.
4. (Original) The apparatus of claim 1 wherein the print preview projection mechanism comprises ~~includes~~ a projection mechanism for projecting the displayable image data into a three-dimensional space; and wherein the projected preview image is one of a two-dimensional image and a three-dimensional image.

5. (Currently amended) The apparatus of claim 1 wherein the print preview projection mechanism further comprises ~~includes~~

an image manipulation application for allowing a user to manipulate the displayable image data prior to rendering.

6. (Currently amended) The apparatus of claim 5 wherein the image manipulation application supports one of the user interface functions [[,]] selected from the group consisting of: editing operations, compositing operations, image processing operations, delete operations and add operations ; and other image modification operations ; ~~and a combination thereof.~~

7. (Currently amended) The apparatus of claim 1 wherein the input port comprises ~~includes~~ one of a connection port, a media reader slot, and a receiver.

8. (Currently amended) The apparatus of claim 1 wherein the apparatus communicates with ~~is coupled to~~ an image source through a communication link; and wherein the image source provides the image data;

wherein the image source comprises ~~includes~~ one of a storage media, an image capture device, a digital camera, a personal communication device, a cellular telephone, a personal digital assistant, and other device external to the image rendering apparatus; and

wherein the communication link comprises ~~includes~~ one of a wireless link, a wired link, a USB cable, and a channel ~~specified by a predetermined frequency.~~

9. (Currently amended) The apparatus of claim 1 wherein the image data comprises ~~includes~~ one of text data, a digital picture data, graphic data, drawing data [[,]] and images ; ~~and a combination thereof.~~

10. (Currently amended) The apparatus of claim 1 wherein the apparatus [[is]] comprises one of a printer, a facsimile machine, and an all-in-one office machine.

11. (Original) The apparatus of claim 1 further comprising:
a plurality of switches for use by a user to control print preview functions and image editing functions; wherein each switch, when activated by the user, generates a signal representing user input; and wherein the signal is provided to the print preview projection mechanism.
12. (Currently amended) The apparatus of claim 5 wherein the image manipulation application comprises; ~~includes~~
a multiple image manipulation module for receiving image data and user input and based thereon for generating a composite image file; a source write unit for writing data to an image source.
13. (Currently amended) An apparatus comprising:
a) a rendering engine for rendering images;
b) an input port for receiving ~~[[an]]~~ binary image data;
c) a display format mechanism for converting the received binary image data into corresponding displayable image data;
d) a view finder for use by a user to view images; and
e) a projection mechanism, coupled to the viewfinder, for projecting the displayable image data into the viewfinder.
14. (Original) The apparatus of claim 13 wherein the viewfinder is one of integrated with the image rendering apparatus and detachable from the image rendering apparatus.
15. (Original) The apparatus of claim 13 wherein the viewfinder is coupled to the projection mechanism through one of a wired link and a wireless link.
16. (Original) The apparatus of claim 13 wherein the viewfinder is implemented as one of a pair of virtual reality glasses, a two-dimensional viewer, and a three-dimensional viewer;

and wherein the projected image is one of projected onto a two-dimensional surface and projected into a three-dimensional space for viewing.

17. (Currently amended) The apparatus of claim 13 wherein the image rendering apparatus comprises ~~[[is]]~~ one of a printer, a facsimile machine, and an all-in-one office machine.

18. (Currently amended) The apparatus of claim 13 further comprising:
an image manipulation application for allowing a user to manipulate the image data prior to rendering; wherein the image manipulation application supports one of the user interface functions ~~[[,]]~~ selected from the group consisting of: editing operations, compositing operations, image processing operations, delete and add operations, and other image modification operations ~~, and a combination thereof.~~

19. (New) A method for rendering an image, the method comprising:
receiving binary image data from an external data source, the binary image data defining
an image to be viewed or rendered;
converting the received binary image data into corresponding displayable image data;
using the displayable image data to produce an image for viewing by a user; and
using the received binary image data to render the image onto a medium.

20. (New) The method of claim 19 further comprising manipulating the binary image data prior to rendering the image.

21. (New) The method of claim 20 wherein manipulating the binary image data comprises editing operations, compositing operations, image processing operations, deleting operations and adding operations.

22. (New) The method of claim 19 wherein receiving the binary image data comprises receiving the binary image data through a communication link.

23. (New) The method of claim 22 wherein receiving the binary image data through a communication link comprises receiving the binary image data from one of a storage media, an image capture device, a digital camera, a personal communication device, a cellular telephone and a personal digital assistant.

24. (New) The method of claim 22 wherein receiving the binary image data through a communication link comprises receiving the binary image data over one of wireless link, a wired link and a USB cable.

25. (New) The method of claim 22 wherein receiving the binary image data through a communication link comprises receiving one or more of text data, digital picture data, graphic data, drawing data and images.

26. (New) The method of claim 19 further comprising:
detecting actuation of one or more switches by the user; and
based on the detected actuation, generating a signal representing user input; and
providing the signal to control one or more of producing the image for viewing by the user and rendering the image onto the medium.

27. (New) An image rendering apparatus comprising:
means for receiving binary image data from an external data source, the binary image data defining an image to be rendered;
means for converting the received binary image data into corresponding displayable image data for projecting an image for viewing by a user;
means for producing an image for viewing by a user using the displayable image data;
and
means for rendering the image onto a medium using the received binary image data.

28. (New) The image rendering apparatus of claim 27 wherein the means for receiving binary image data comprises one or more of a media reader, a connection port for coupling to a cable, and a transceiver.

29. (New) The image rendering apparatus of claim 27 wherein the means for converting the received binary image data comprises an image manipulation application to manipulate the received binary image data prior to rendering.

30. (New) A computer-readable medium having computer-readable content to cause a computer to perform acts of:

receiving binary image data from an external data source, the binary image data defining an image to be rendered;
converting the received binary image data into corresponding displayable image data;
using the displayable image data to produce an image for viewing by a user; and
using the received binary image data to render the image onto a medium.

31. (New) The computer-readable medium of claim 30 further comprising computer-readable content to cause a computer to perform acts of manipulating the binary image data prior to rendering the image.

32. (New) The computer-readable medium of claim 31 wherein manipulating the binary image data comprises editing operations, compositing operations, image processing operations, deleting operations and adding operations.

33. (New) The computer-readable medium of claim 30 wherein receiving the binary image data comprises receiving the binary image data through a communication link.

34. (New) The computer-readable medium of claim 33 wherein receiving the binary image data through a communication link comprises receiving the binary image data from one of

a storage media, an image capture device, a digital camera, a personal communication device, a cellular telephone and a personal digital assistant.

35. (New) The computer-readable medium of claim 33 wherein receiving the binary image data through a communication link comprises receiving the binary image data over one of a wireless link, a wired link and a USB cable.

36. (New) The computer-readable medium of claim 33 wherein receiving the binary image data through a communication link comprises receiving one or more of text data, digital picture data, graphic data, drawing data and images.

37. (New) The method of claim 30 further comprising computer-readable content to cause a computer to perform acts of:

detecting actuation of one or more switches by the user; and
based on the detected actuation, generating a signal representing user input; and
providing the signal to control one or more of producing the image for viewing by the user and rendering the image onto the medium.

38. (New) An image rendering apparatus comprising:

an input port configured to engage an external data source and to receive from the external data source binary image data defining an image to be rendered;
a print preview projection mechanism coupled to the input port and configured to convert the received binary image data to displayable image data, including
an image editor to receive as raw image data the received binary image data and produce edited image data in response to user editing input signals, and
a displayable data generator to generate displayable raw image data from the raw image data and to produce displayable edited image data from the edited image data;
a projection mechanism responsive to one of the displayable raw image data and the displayable edited image data to produce a display for viewing by a user; and

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a rendering engine coupled with the image editor to render the image using the edited image data.